#### PATENT COOPERATION TREATY

# **PCT**

### **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification o	f Transmittal of International Search Report
IPD/P1174/WOD	ACTION (Form PCT/ISA/2	20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 98/01026	07/04/1998	11/04/1997
Applicant		
THE SECRETARY OF STATE FOR	2 255405 1 7	
THE SECRETARY OF STATE FOR	COEFENCE et al.	
This International Search Report has been	n prepared by this International Searching Auth	and the second the sec
according to Article 18. A copy is being trai	nsmitted to the International Bureau.	ionity and is transmitted to the applicant
This International Search Report consists	of a total of3 sheets.	
	of a total ofsneets.  of each prior art document cited in this report.	
Certain claims were found uns	earchable(see Box I).	
	· ·	
2. Unity of invention is lacking (se	e Box II).	
3. X The international application conf	tains displacated a major tide and/or amine	
international search was carried	tains disclosure of a <b>nucleotide and/or amino</b> out on the basis of the sequence listing	o acid sequence listing and the
	with the international application.	
	shed by the applicant separately from the interior but not accompanied by a statement to the	• •
<u></u>	matter going beyond the disclosure in the	e effect that it did not include international application as filed.
Trans	scribed by this Authority	
	Solidou Dy and Adams. Ny	!
4. With regard to the <b>title.</b> the te	ext is approved as submitted by the applicant	
,	ext has been established by this Authority to re	ad as follows:
ENZYME ASSAY FOR MUTAN		
5. With regard to the abstract,		
	ext is approved as submitted by the applicant	
the te	ext has been established, according to Rule 38 II. The applicant may, within one month fromth	.2(b), by this Authority as it appears in
Searc	ch Report, submit comments to this Authority.	ie date of maining of this international
6. The figure of the <b>drawings</b> to be publis		
	iggested by the applicant.	None of the figures.
<b>=</b> . •	use the applicant failed to suggest a figure.	_
becat	use this figure better characterizes the inventio	vii.

#### INTERNATIONAL SEARCH REPORT

International Application No PCT/GR 98/01026

PCT/GB 98/01026 CLASSIFICATION OF SUBJECT MATTER PC 6 C12N9/02 C12N iPC 6 C12N15/53 C12N15/79 C12N15/82 C12N15/85 C12N15/63 C12Q1/66 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 6 C12N C12Q Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. E.I. DEMENTIEVA ETAL.,: "Physicochemical Χ 1 - 3properties of recombinant Luciola mingrelica luciferase andits mutant forms" BIOCHEMISTRY, vol. 61, no. 1, 1996, pages 115-119, XP002078631 Moscow, RU cited in the application see the whole document Α WO 96 22376 A (SECR DEFENCE BRIT) 1,10-12,25 July 1996 20,24, cited in the application 25,35 see abstract see page 1, paragraph 4-5 - page 2, paragraph 1 see page 3, paragraph 1; example 2 Further documents are listed in the continuation of box C. Χ Patent family members are listed in annex. Special categories of cited documents : "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of theinternational search Date of mailing of the international search report 28 September 1998 13/10/1998 Name and mailing address of the ISA Authorized officer

Fax: (+31-70) 340-3016

1

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Mateo Rosell, A.M.

#### INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 98/01026

`.(Continuation)	DOCUMENTS	CONSIDERED	TO BE	RELEVANT
------------------	-----------	------------	-------	----------

Category 6	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	WO 95 18853 A (PROMEGA CORP) 13 July 1995 cited in the application  see abstract see page 6, line 30 - page 7, column 31;	1,10-12, 14-17, 24,25,35
А	tables I,III  WO 95 25798 A (SECR DEFENCE BRIT) 28 September 1995 cited in the application see page 3, paragraph 3 - page 4, paragraph 1 see page 5, paragraph 2	1,10,12
Α	see page 6, paragraph 3; examples 3,4,10  EP 0 449 621 A (KIKKOMAN CORP) 2 October 1991 see page 2, column 1-37	1,12
Α	see page 3, line 39-45  US 5 196 524 A (GUSTAFSON GARY D ET AL) 23 March 1993	1,13-19, 22-27, 31,33,34
Α	see column 5, line 30 - column 9, line 40; examples 4-6  E.I. DEMENTIEVA ET AL.,: "Assay of ATP in intact Escherichia coli cells expressing recombinant firefly luciferase" BIOCHEMISTRY, vol. 61, no. 7, 1996, pages 915-920, XP002078632 Moscow, RU see the whole document	1,24-27, 30
A	Y. LIU ET AL., : "Factors influencing the efficiency of cationic liposome-mediated intravenous gene delivery" NATURE BIOTECHNOLOGY, vol. 15, 1997, pages 167-173, XP002078633 cited in the application see the whole document	1,33

1

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB 98/01026

Patent document cited in search repo	rt	Publication date		Patent family member(s)	Publication date
WO 9622376	A	25-07-1996	AU CA EP GB NO	4397396 A 2210354 A 0804587 A 2311525 A 973349 A	07-08-1996 25-07-1996 05-11-1997 01-10-1997 19-09-1997
WO 9518853	Α	13-07-1995	AU CA EP JP	1830395 A 2157476 A 0689587 A 8510387 T	01-08-1995 13-07-1995 03-01-1996 05-11-1996
WO 9525798	A	28-09-1995	AU BR CA CN EP FI GB JP NO	1954595 A 9507140 A 2186144 A 1149318 A 0751996 A 963741 A 2301592 A,B 9510610 T 963983 A	09-10-1995 30-09-1997 28-09-1995 07-05-1997 08-01-1997 20-11-1996 11-12-1996 28-10-1997 23-09-1996
EP 0449621	A	02-10-1991	DE DE JP JP US US	69121618 D 69121618 T 2666561 B 3285683 A 5330906 A 5219737 A	02-10-1996 20-02-1997 22-10-1997 16-12-1991 19-07-1994 15-06-1993
US 5196524	Α	23-03-1993	NONE		